

METHOD OF FABRICATING HONEYCOMB BODY AND DRYING SYSTEM

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ABSTRACT OF THE DISCLOSURE

A method of fabricating at least a honeycomb body and a drying system are disclosed, in which a plurality of honeycomb bodies each having a multiplicity of cells arranged in the shape of a honeycomb and having a wall thickness of 0.125 mm or less can be dried without developing any cracking, wrinkling, etc. in the outer peripheral skin portion of the mold. A plurality of extrusion-molded argillaceous honeycomb bodies are dried in such a manner that each honeycomb body is placed on a corresponding conveyance tray of porous ceramics having a dielectric loss of 0.1 or less, a porosity of 10 % or more and a sectional open area ratio of 50 % or more is exposed to a high-humidity ambience of 70 % or higher in humidity while at the same time being irradiated with microwaves of 1,000 to 10,000 MHz. As an alternative, a plurality of extrusion-molded argillaceous honeycomb bodies are dried by being exposed to a high-humidity ambience of 70 % or more while at the same time being irradiated with microwaves of 1,000 to 10,000 MHz, after which hot air is applied to the honeycomb bodies in such a manner as to pass through the cells thereof.

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